Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/03/2016 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125038	0	1.80	124927	1.74
Blue	F	SSC	125000	123007	-2	3.20	123499	2.98
Blue	E	FITC	22946	22483	-3	2.46	997	9.82
Blue	D	PE	28770	28256	-2	2.00	1014	8.88
Blue	B	PerCP-Cy5-5	51099	50645	-1	3.27	1454	16.02
Blue	A	PE-Cy7	42312	41776	-2	4.87	648	33.82
Red	C	APC	52169	51545	-2	2.82	2983	9.12
Red	A	APC-Cy7	56705	56114	-2	2.92	1161	11.19
Violet	B	V450	14708	14264	-4	3.86	685	9.19
Violet	A	V500	58608	57267	-3	3.59	2541	6.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19756	4.49	597	-1	N/A	N/A	Pass
Blue	F	SSC	61276	2.05	525	7	N/A	N/A	Pass
Blue	E	FITC	114	37.49	533	2	0.0232	204	Pass
Blue	D	PE	223	27.20	528	2	0.2098	300	Pass
Blue	B	PerCP-Cy5-5	229	42.60	625	3	0.0114	109	Pass
Blue	A	PE-Cy7	72	110.52	672	1	0.0130	12	Pass
Red	C	APC	348	27.00	590	0	0.0224	108	Pass
Red	A	APC-Cy7	128	40.07	575	-1	0.0056	1633	Pass
Violet	B	V450	84	44.04	468	9	0.0442	2164	Pass
Violet	A	V500	186	26.48	497	9	0.0139	1359	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/03/2016 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.02	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.57	13.27 - 19.91	N/A	N/A	31.35	31.76	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9825

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments